

COHERENT LIGHT ENLARGER

9th Progress Report 11 Feb. to 9 March 1964

STAT

The major item of progress during the past period was the completion of optical manufacture. All elements were completed on schedule (less coating) and assembly of the lenses has been started. Completion of this assembly effort will be followed by tests to determine coating requirements.

Mechanical assembly has also been started and a few subassemblies already completed. This effort will reach a peak in about a month as parts are received from vendors. The critical item in this procedure is a large machined casting which is to be delivered 27 March.

The electrical control system has grown far beyond the early concepts and present effort requires an engineer and two draftsmen-designers in providing schematic and wiring diagrams. This growth will not impose any operational difficulties on the operator; the instrument will be flexible for experimentation but simple to operate.

Progress on the auxiliary light source has been steady. It was determined that the lens system may be considered corrected for both the laser and sodium lamp wavelengths. A sodium lamp was obtained and tested on the enlarger breadboard. The results will be evaluated during the next progress period.

During the past period the schedule was reviewed in detail and revised to include all recent changes. The scheduled shipping date is 26 June 1964 as before.

STAT

LC:lc

Declass Review by NIMA / DoD